

## LISTING OF CLAIMS

This listing of claims will replace all prior versions in the application:

1. (currently amended) An SC cut crystal resonator, wherein a surface of a quartz crystal orthogonal to a Y axis thereof is rotated through  $33^{\circ}$  to  $35^{\circ}$  about an X axis, and is then rotated from this rotated position through  $22^{\circ}$  to  $24^{\circ}$  about a Z axis, and a slender quartz crystal blank oblong in an X' axis direction is cut from the rotated surface, and an end surface of said quartz crystal blank orthogonal to a Z' axis, has a tilt angle tilted in a direction rotated through a predetermined angle about the X' axis, wherein said tilt angle is between  $-7^{\circ}$  and  $-13^{\circ}$ .
2. (currently amended) An SC cut crystal resonator, wherein a surface of a quartz crystal orthogonal to a Y axis thereof is rotated through  $33^{\circ}$  to  $35^{\circ}$  about an X axis, and is then rotated from this rotated position through  $22^{\circ}$  to  $24^{\circ}$  about a Z axis, and a slender quartz crystal blank oblong in an X' axis direction is cut from the rotated surface, and an end surface of said quartz crystal blank orthogonal to a Z' axis, has a tilt angle tilted in a direction rotated through a predetermined angle about the X' axis, ~~An SC cut crystal resonator according to claim 1,~~ wherein said tilt angle is between  $+7^{\circ}$  and  $+13^{\circ}$ .
- 3-5 (canceled)